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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/763,137	01/21/2004	Ken Nakahara	88519.0002 6402 EXAMINER		
26021	7590 04/04/2005				
HOGAN & HARTSON L.L.P. 500 S. GRAND AVENUE SUITE 1900			SOWARD	SOWARD, IDA M	
			ART UNIT	PAPER NUMBER	
LOS ANGELES, CA 90071-2611			2822		
		•	DATE MAILED: 04/04/2009	DATE MAILED: 04/04/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)			
Office Action Summary		10/763,137	NAKAHARA, KEN			
		Examiner	Art Unit			
	·	lda M. Soward	2822			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1)⊠ Re	sponsive to communication(s) filed on <u>21 Ja</u>	nuary 2004.				
2a)∐ Thi	This action is FINAL . 2b) ☐ This action is non-final.					
3)⊠ Sin	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
clo	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition	of Claims					
4)⊠ Cla	4)⊠ Claim(s) <u>1-12</u> is/are pending in the application.					
4a)	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)⊠ Cla	im(s) <u>1-4 and 7-10</u> is/are allowed.					
· · · · · · · · · · · · · · · · · · ·	im(s) is/are rejected.					
·	lim(s) <u>5,6,11 and 12</u> is/are objected to.					
8)∐ Cla	im(s) are subject to restriction and/or	election requirement.				
Application	Papers					
9)⊠ The	specification is objected to by the Examiner	•				
10)⊠ The	drawing(s) filed on 21 January 2004 is/are:	a) accepted or b) bojected	to by the Examiner.			
Арр	licant may not request that any objection to the o	drawing(s) be held in abeyance. See	37 CFR 1.85(a).			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority unde	er 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage 						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
			•			
Attachment(s) 1) Notice of	References Cited (PTO-892)	4) Interview Summary	(PTO-413)			
2) Notice of 3) Information	Draftsperson's Patent Drawing Review (PTO-948) on Disclosure Statement(s) (PTO-1449 or PTO/SB/08) (s)/Mail Date 1-21-04.	Paper No(s)/Mail Da				

DETAILED ACTION

This Office Action is in response to the application filed January 21, 2004.

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Drawings

Figure 6 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract

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on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

The abstract of the disclosure is objected to because:

- 1. "comprising" should have been including on page 28, line 18; and
- 2. "consisting of" should have been having on page 28, line 18.

Correction is required. See MPEP § 608.01(b).

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: GaN System Semiconductor Light Emitting

Device Excellent in Light Emission Efficiency and Light Extracting Efficiency.

Claim Objections

Claims 5-6 and 11-12 are objected to because of the following informalities:

"and the metal electrode" should have been deleted in claims 5 and 11, pages 25 and 27, lines 10 and 9, respectively. Appropriate correction is required.

Allowable Subject Matter

Claims 1-4 and 7-10 are allowed.

As allowable subject matter has been indicated, applicant's reply must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CFR 1.111(b) and MPEP § 707.07(a).

The following is a statement of reasons for the indication of allowable subject matter: The prior art of record does not disclose, make obvious, or otherwise suggest the structure of the applicant's together with the other limitations of the independent claims, such as the light emission layer, consisting of a GaN system semiconductor which is interposed between an n type GaN system semiconductor layer and a p type GaN system semiconductor layer, wherein there is provided a $Mg_zZn_{1-z}O$ (0 z < 1) electrode film. The dependent claims being further limiting and definite are also allowable.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The following patents are cited to further show the state of the art with respect to semiconductor light emitting devices:

Ishizaki et al. (US 2004/0051109 A1) Ishizaki (US 2004/0104392 A1)

Ishizaki (US 2004/0235212 A1) Iwata et al. (US 2002/0030196 A1)

Kawamura et al. (US 6,416,888 B1) Kawasaki et al. (6,057,561). Application/Control Number: 10/763,137 Page 5

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ida M. Soward whose telephone number is 571-272-1845. The examiner can normally be reached on Monday - Thursday 6:30am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amir Zarabian can be reached on 571-272-1852. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

IMS March 22, 2005

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